

HIGHLY ERODIBLE LAND REPORT
JANUARY, 1990

Survey Area- SHENANDOAH COUNTY, VIRGINIA

Map Symbol	Mapunit Name	Seq. Num.	Component Name	Cap. Subcl.	Prime Farm	HEL Soil	K Fact.	T Fact.
1B	ALONZVILLE LOAM, 2 TO 7 PERCENT SLOPES, RARELY FLOODED	1	ALONZVILLE	2E	1	PHEL	.32	5
1C	ALONZVILLE LOAM, 7 TO 15 PERCENT SLOPES	1	ALONZVILLE	3E	0	PHEL	.32	5
2B	BERKS CHANNERY SILT LOAM, 2 TO 7 PERCENT SLOPES	1	BERKS	2E	0	PHEL	.17	3
3C	BERKS-WEIKERT COMPLEX, 7 TO 15 PERCENT SLOPES	1	BERKS	3E	0	PHEL	.17	3
4B	BLAIRTON SILT LOAM, 2 TO 7 PERCENT SLOPES	1	BLAIRTON	3W	1	PHEL	.43	3
4C	BLAIRTON SILT LOAM, 7 TO 15 PERCENT SLOPES	1	BLAIRTON	4E	0	PHEL	.43	3
5B	BRADDOCK LOAM, 2 TO 7 PERCENT SLOPES	1	BRADDOCK	2E	1	PHEL	.32	4
5C	BRADDOCK LOAM, 7 TO 15 PERCENT SLOPES	1	BRADDOCK	3E	0	PHEL	.32	4
6B	BRADDOCK COBBLY LOAM, 2 TO 7 PERCENT SLOPES	1	BRADDOCK	3S	0	PHEL	.24	4
6C	BRADDOCK COBBLY LOAM, 7 TO 15 PERCENT SLOPES	1	BRADDOCK	4S	0	PHEL	.24	4
6D	BRADDOCK COBBLY LOAM, 15 TO 25 PERCENT SLOPES	1	BRADDOCK	6S	0	HEL	.24	4
7A	BROADWAY SILT LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED	1	BROADWAY	1	1	NHEL	.28	5
8B	CARBO SILTY CLAY LOAM, 2 TO 7 PERCENT SLOPES	1	CARBO	2E	1	PHEL	.37	2
8C	CARBO SILTY CLAY LOAM, 7 TO 15 PERCENT SLOPES	1	CARBO	3E	0	PHEL	.37	2
9C	CARBO-ENDCAV COMPLEX, 2 TO 15 PERCENT SLOPES, VERY ROCKY	1	CARBO	3E	0	PHEL	.37	2
9D	CARBO-ENDCAV COMPLEX, 15 TO 35 PERCENT SLOPES, VERY ROCKY	1	CARBO	7E	0	HEL	.37	2
10A	CAVERNS SANDY LOAM, 0 TO 2 PERCENT SLOPES, RARELY FLOODED	1	CAVERNS	1	1	NHEL	.20	5
11B	CHILHOWIE SILTY CLAY LOAM, 2 TO 7 PERCENT SLOPES	1	CHILHOWIE	3E	0	PHEL	.37	2
11C	CHILHOWIE SILTY CLAY LOAM, 7 TO 15 PERCENT SLOPES	1	CHILHOWIE	4E	0	HEL	.37	2
11D	CHILHOWIE SILTY CLAY LOAM, 15 TO 25 PERCENT SLOPES	1	CHILHOWIE	6E	0	HEL	.37	2
11E	CHILHOWIE SILTY CLAY LOAM, 25 TO 35 PERCENT SLOPES	1	CHILHOWIE	7E	0	HEL	.37	2
12C	CHILHOWIE SILTY CLAY LOAM, 7 TO 15 PERCENT SLOPES, ROCKY	1	CHILHOWIE	4E	0	PHEL	.37	2
12D	CHILHOWIE SILTY CLAY LOAM, 15 TO 25 PERCENT SLOPES, ROCKY	1	CHILHOWIE	6E	0	HEL	.37	2
13C	CHILHOWIE SILTY CLAY LOAM, 7 TO 15 PERCENT SLOPES, VERY ROCKY	1	CHILHOWIE	4E	0	PHEL	.37	2
13D	CHILHOWIE SILTY CLAY LOAM, 15 TO 35 PERCENT SLOPES, VERY ROCKY	1	CHILHOWIE	7E	0	HEL	.37	2
13E	CHILHOWIE SILTY CLAY LOAM, 35 TO 55 PERCENT SLOPES, VERY ROCKY	1	CHILHOWIE	7E	0	HEL	.37	2
14B	COURSEY LOAM, 2 TO 7 PERCENT SLOPES	1	COURSEY	2E	1	PHEL	.32	5
14C	COURSEY LOAM, 7 TO 15 PERCENT SLOPES	1	COURSEY	3E	0	PHEL	.32	5
15A	DERROC COBBLY SANDY LOAM, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED	1	DERROC	2W	0	NHEL	.17	3
16B	EDOM SILTY CLAY LOAM, 2 TO 7 PERCENT SLOPES	1	EDOM	2E	1	PHEL	.28	3
16C	EDOM SILTY CLAY LOAM, 7 TO 15 PERCENT SLOPES	1	EDOM	3E	0	PHEL	.28	3
17B	ENDCAV SILT LOAM, 2 TO 7 PERCENT SLOPES	1	ENDCAV	2E	1	PHEL	.37	3
17C	ENDCAV SILT LOAM, 7 TO 15 PERCENT SLOPES	1	ENDCAV	3E	0	PHEL	.37	3
17D	ENDCAV SILT LOAM, 15 TO 25 PERCENT SLOPES	1	ENDCAV	4E	0	HEL	.37	3
18B	ENDCAV SILT LOAM, 2 TO 7 PERCENT SLOPES, ROCKY	1	ENDCAV	2E	1	PHEL	.37	3
18C	ENDCAV SILT LOAM, 7 TO 15 PERCENT SLOPES, ROCKY	1	ENDCAV	3E	0	PHEL	.37	3
19D	FREDERICK GRAVELLY SILT LOAM, 15 TO 35 PERCENT SLOPES	1	FREDERICK	6E	0	HEL	.28	4
20B	FREDERICK AND POPLIMENTO SILT LOAMS, 2 TO 7 PERCENT SLOPES	1	FREDERICK	2E	1	PHEL	.32	4
20C	FREDERICK AND POPLIMENTO SILT LOAMS, 7 TO 15 PERCENT SLOPES	1	FREDERICK	3E	0	PHEL	.32	4
20D	FREDERICK AND POPLIMENTO SILT LOAMS, 15 TO 25 PERCENT SLOPES	1	FREDERICK	4E	0	HEL	.32	4
21B	FREDERICK AND POPLIMENTO GRAVELLY SILT LOAMS, 2 TO 7 PERCENT SLOPES	1	FREDERICK	2E	1	PHEL	.28	4

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21C	FREDERICK AND POPLIMENTO GRAVELLY SILT LOAMS, 7 TO 15 PERCENT SLOPES	1	FREDERICK	3E	0	PHEL	.28	4
21D	FREDERICK AND POPLIMENTO GRAVELLY SILT LOAMS, 15 TO 25 PERCENT SLOPES	1	FREDERICK	4E	0	HEL	.28	4
21E	FREDERICK AND POPLIMENTO GRAVELLY SILT LOAMS, 25 TO 35 PERCENT SLOPES	1	FREDERICK	6E	0	HEL	.28	4
22B	FREDERICK AND POPLIMENTO SILT LOAMS, 2 TO 7 PERCENT SLOPES, ROCKY	1	FREDERICK	2E	1	PHEL	.32	4
22C	FREDERICK AND POPLIMENTO SILT LOAMS, 7 TO 15 PERCENT SLOPES, ROCKY	1	FREDERICK	3E	0	PHEL	.32	4
22D	FREDERICK AND POPLIMENTO SILT LOAMS, 15 TO 25 PERCENT SLOPES, ROCKY	1	FREDERICK	4E	0	HEL	.32	4
23C	FREDERICK AND POPLIMENTO SILT LOAMS, 2 TO 15 PERCENT SLOPES, VERY ROCKY	1	FREDERICK	3E	0	PHEL	.32	4
23D	FREDERICK AND POPLIMENTO SILT LOAMS, 15 TO 35 PERCENT SLOPES, VERY ROCKY	1	FREDERICK	6E	0	HEL	.32	4
24B	GAINESBORO-BERKS COMPLEX, 2 TO 7 PERCENT SLOPES	1	GAINESBORO	2E	0	PHEL	.32	3
24C	GAINESBORO-BERKS COMPLEX, 7 TO 15 PERCENT SLOPES	1	GAINESBORO	3E	0	PHEL	.32	3
24D	GAINESBORO-BERKS COMPLEX, 15 TO 25 PERCENT SLOPES	1	GAINESBORO	4E	0	HEL	.32	3
24E	GAINESBORO-BERKS COMPLEX, 25 TO 35 PERCENT SLOPES	1	GAINESBORO	6E	0	HEL	.32	3
25B	GILPIN SILT LOAM, 2 TO 7 PERCENT SLOPES	1	GILPIN	2E	0	PHEL	.32	3
25C	GILPIN SILT LOAM, 7 TO 15 PERCENT SLOPES	1	GILPIN	3E	0	PHEL	.32	3
25D	GILPIN SILT LOAM, 15 TO 25 PERCENT SLOPES	1	GILPIN	4E	0	HEL	.32	3
26C	GILPIN CHANNERY SILT LOAM, 2 TO 15 PERCENT SLOPES	1	GILPIN	3E	0	PHEL	.24	3
26D	GILPIN CHANNERY SILT LOAM, 15 TO 35 PERCENT SLOPES	1	GILPIN	6E	0	HEL	.24	3
27C	GILPIN CHANNERY SILT LOAM, 7 TO 15 PERCENT SLOPES, STONY	1	GILPIN	6S	0	PHEL	.24	3
27D	GILPIN CHANNERY SILT LOAM, 15 TO 25 PERCENT SLOPES, STONY	1	GILPIN	6S	0	HEL	.24	3
27E	GILPIN CHANNERY SILT LOAM, 25 TO 35 PERCENT SLOPES, STONY	1	GILPIN	7S	0	HEL	.24	3
28C	GILPIN CHANNERY SILT LOAM, 2 TO 15 PERCENT SLOPES, VERY STONY	1	GILPIN	6S	0	PHEL	.24	3
28D	GILPIN CHANNERY SILT LOAM, 15 TO 35 PERCENT SLOPES, VERY STONY	1	GILPIN	7S	0	HEL	.24	3
28E	GILPIN CHANNERY SILT LOAM, 35 TO 55 PERCENT SLOPES, VERY STONY	1	GILPIN	7S	0	HEL	.24	3
29A	GLADEHILL FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED	1	GLADEHILL	1	1	NHEL	.20	5
30A	GUYAN SILT LOAM, 0 TO 2 PERCENT SLOPES, RARELY FLOODED	1	GUYAN	3W	1	NHEL	.32	4
31B	JEFFERSON SANDY LOAM, 2 TO 7 PERCENT SLOPES	1	JEFFERSON	2E	1	PHEL	.24	4
31C	JEFFERSON SANDY LOAM, 7 TO 15 PERCENT SLOPES	1	JEFFERSON	3E	0	PHEL	.24	4
32C	JEFFERSON SANDY LOAM, 2 TO 15 PERCENT SLOPES	1	JEFFERSON	3E	0	PHEL	.24	4
32D	JEFFERSON SANDY LOAM, 15 TO 35 PERCENT SLOPES	1	JEFFERSON	6E	0	HEL	.24	4
33C	JEFFERSON SANDY LOAM, 2 TO 15 PERCENT SLOPES, VERY STONY	1	JEFFERSON	6S	0	PHEL	.10	4
33D	JEFFERSON SANDY LOAM, 15 TO 35 PERCENT SLOPES, VERY STONY	1	JEFFERSON	7S	0	HEL	.10	4

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33E	JEFFERSON SANDY LOAM, 35 TO 55 PERCENT SLOPES, STONY	1	JEFFERSON	7S	0	HEL	.10	4	-3-
34B	LAIDIG CHANNERY LOAM, 2 TO 7 PERCENT SLOPES	1	LAIDIG	2E	1	PHEL	.28	4	
34C	LAIDIG CHANNERY LOAM, 7 TO 15 PERCENT SLOPES	1	LAIDIG	3E	0	PHEL	.28	4	
35C	LAIDIG CHANNERY LOAM, 2 TO 15 PERCENT SLOPES	1	LAIDIG	3E	0	PHEL	.28	4	
35D	LAIDIG CHANNERY LOAM, 15 TO 35 PERCENT SLOPES	1	LAIDIG	6E	0	HEL	.28	4	
36B	LAIDIG CHANNERY LOAM, 2 TO 7 PERCENT SLOPES, STONY	1	LAIDIG	2E	0	PHEL	.28	4	
36C	LAIDIG CHANNERY LOAM, 7 TO 15 PERCENT SLOPES, STONY	1	LAIDIG	3E	0	HEL	.28	4	
37C	LAIDIG CHANNERY LOAM, 2 TO 15 PERCENT SLOPES, VERY STONY	1	LAIDIG	6S	0	HEL	.28	4	
37D	LAIDIG CHANNERY LOAM, 15 TO 35 PERCENT SLOPES, VERY STONY	1	LAIDIG	7S	0	HEL	.28	4	
37E	LAIDIG CHANNERY LOAM, 35 TO 55 PERCENT SLOPES, VERY STONY	1	LAIDIG	7S	0	HEL	.28	4	
38B	LEHEW AND GAINESBORO SOILS, 2 TO 7 PERCENT SLOPES	1	LEHEW	2E	0	PHEL	.17	3	
38C	LEHEW AND GAINESBORO SOILS, 7 TO 15 PERCENT SLOPES	1	LEHEW	3E	0	PHEL	.17	3	
38D	LEHEW AND GAINESBORO SOILS, 15 TO 25 PERCENT SLOPES	1	LEHEW	4E	0	HEL	.17	3	
38E	LEHEW AND GAINESBORO SOILS, 25 TO 35 PERCENT SLOPES	1	LEHEW	6E	0	HEL	.17	3	
39A	MASSANETTA SILT LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED	1	MASSANETTA	2W	1	NHEL	.37	5	
40D	MASSANUTTEN CHANNERY SILT LOAM, 15 TO 35 PERCENT SLOPES	1	MASSANUTTEN	6E	0	HEL	.24	2	
40E	MASSANUTTEN CHANNERY SILT LOAM, 35 TO 55 PERCENT SLOPES	1	MASSANUTTEN	7E	0	HEL	.24	2	
41D	MASSANUTTEN CHANNERY SILT LOAM, 15 TO 35 PERCENT SLOPES, VERY STONY	1	MASSANUTTEN	6S	0	HEL	.24	2	
41E	MASSANUTTEN CHANNERY SILT LOAM, 35 TO 55 PERCENT SLOPES, VERY STONY	1	MASSANUTTEN	7E	0	HEL	.24	2	
42A	MAURERTOWN SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	1	MAURERTOWN	4W	0	NHEL	.37	3	
43B	MOOMAW FINE SANDY LOAM, 2 TO 7 PERCENT SLOPES	1	MOOMAW	2E	1	PHEL	.17	3	
43C	MOOMAW FINE SANDY LOAM, 7 TO 15 PERCENT SLOPES	1	MOOMAW	3E	0	PHEL	.17	3	
44B	MOOMAW COBBLY FINE SANDY LOAM, 2 TO 7 PERCENT SLOPES	1	MOOMAW	3S	0	PHEL	.24	3	
44C	MOOMAW COBBLY FINE SANDY LOAM, 7 TO 15 PERCENT SLOPES	1	MOOMAW	4S	0	PHEL	.24	3	
45A	NEWMARC SILT LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED	1	NEWMARC	4W	1	NHEL	.32	5	
46A	NOMBERVILLE LOAM, 0 TO 2 PERCENT SLOPES, RARELY FLOODED	1	NOMBERVILLE	1	1	NHEL	.28	5	
47C	OPEQUON SILTY CLAY LOAM, 2 TO 15 PERCENT SLOPES, ROCKY	1	OPEQUON	4E	0	PHEL	.37	1	
48C	OPEQUON SILTY CLAY LOAM, 2 TO 15 PERCENT SLOPES, VERY ROCKY	1	OPEQUON	6S	0	PHEL	.37	1	
48D	OPEQUON SILTY CLAY LOAM, 15 TO 25 PERCENT SLOPES, VERY ROCKY	1	OPEQUON	6S	0	HEL	.37	1	
50A	PURDY SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	1	PURDY	4W	0	NHEL	.43	3	
51D	ROCK OUTCROP-CARBO COMPLEX, 2 TO 25 PERCENT SLOPES	1	ROCK OUTCROP	8S	0	HEL			
52F	ROCK OUTCROP-DRALL-WALLEN COMPLEX, 15 TO 70 PERCENT SLOPES	1	DRALL	7S	0	HEL	.17	3	
53C	SEQUOIA LOAM, 2 TO 15 PERCENT SLOPES	1	SEQUOIA	4E	0	PHEL	.37	3	
53D	SEQUOIA LOAM, 15 TO 35 PERCENT SLOPES	1	SEQUOIA	6E	0	HEL	.37	3	
53E	SEQUOIA LOAM, 35 TO 55 PERCENT SLOPES	1	SEQUOIA	7E	0	HEL	.37	3	

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54B	TIMBERVILLE SILT LOAM, 2 TO 7 PERCENT SLOPES, FREQUENTLY FLOODED	1	TIMBERVILLE	2E	1	PHEL	.32	4
55A	TOMS SILT LOAM, 0 TO 2 PERCENT SLOPES	1	TOMS	3W	1	NHEL	.43	3
56B	TRAPPIST SILT LOAM, 2 TO 7 PERCENT SLOPES	1	TRAPPIST	2E	1	PHEL	.37	3
56C	TRAPPIST SILT LOAM, 7 TO 15 PERCENT SLOPES	1	TRAPPIST	3E	0	PHEL	.37	3
59B	UNISON LOAM, 2 TO 7 PERCENT SLOPES	1	UNISON	2E	1	PHEL	.32	4
59C	UNISON LOAM, 7 TO 15 PERCENT SLOPES	1	UNISON	3E	0	PHEL	.32	4
60B	UNISON GRAVELLY LOAM, 2 TO 7 PERCENT SLOPES	1	UNISON	2E	1	PHEL	.24	4
60C	UNISON GRAVELLY LOAM, 7 TO 15 PERCENT SLOPES	1	UNISON	3E	0	PHEL	.24	4
61B	UNISON COBBLY LOAM, 2 TO 7 PERCENT SLOPES	1	UNISON	3E	0	PHEL	.24	4
61C	UNISON COBBLY LOAM, 7 TO 15 PERCENT SLOPES	1	UNISON	3E	0	PHEL	.24	4
62C	WALLEN CHANNERY SANDY LOAM, 7 TO 15 PERCENT SLOPES	1	WALLEN	4S	0	PHEL	.17	2
62D	WALLEN CHANNERY SANDY LOAM, 15 TO 35 PERCENT SLOPES	1	WALLEN	7S	0	HEL	.17	2
63C	WALLEN CHANNERY SANDY LOAM, 2 TO 15 PERCENT SLOPES, VERY STONY	1	WALLEN	7S	0	PHEL	.17	2
63D	WALLEN CHANNERY SANDY LOAM, 15 TO 35 PERCENT SLOPES, VERY STONY	1	WALLEN	7S	0	HEL	.17	2
63E	WALLEN CHANNERY SANDY LOAM, 35 TO 55 PERCENT SLOPES, VERY STONY	1	WALLEN	7S	0	HEL	.17	2
64D	WALLEN CHANNERY SANDY LOAM, 15 TO 35 PERCENT SLOPES, EXTREMELY STONY	1	WALLEN	7S	0	HEL	.17	2
64E	WALLEN CHANNERY SANDY LOAM, 35 TO 55 PERCENT SLOPES, EXTREMELY STONY	1	WALLEN	7S	0	HEL	.17	2
64F	WALLEN CHANNERY SANDY LOAM, 55 TO 70 PERCENT SLOPES, EXTREMELY STONY	1	WALLEN	7S	0	HEL	.17	2
65C	WALLEN-LEHEW COMPLEX, 2 TO 15 PERCENT SLOPES, VERY STONY	1	WALLEN	7S	0	PHEL	.17	2
65D	WALLEN-LEHEW COMPLEX, 15 TO 35 PERCENT SLOPES, VERY STONY	1	WALLEN	7S	0	HEL	.17	2
65E	WALLEN-LEHEW COMPLEX, 35 TO 55 PERCENT SLOPES, VERY STONY	1	WALLEN	7S	0	HEL	.17	2
66E	WALLEN-LEHEW COMPLEX, 35 TO 55 PERCENT SLOPES, EXTREMELY STONY	1	WALLEN	7S	0	HEL	.17	2
66F	WALLEN-LEHEW COMPLEX, 55 TO 70 PERCENT SLOPES, EXTREMELY STONY	1	WALLEN	7S	0	HEL	.17	2
67F	WEIKERT CHANNERY SILT LOAM, 55 TO 70 PERCENT SLOPES	1	WEIKERT	7E	0	HEL	.28	2
68D	WEIKERT-BERKS COMPLEX, 15 TO 35 PERCENT SLOPES	1	WEIKERT	7E	0	HEL	.28	2
68E	WEIKERT-BERKS COMPLEX, 35 TO 55 PERCENT SLOPES	1	WEIKERT	7E	0	HEL	.28	2
69D	WEIKERT-BERKS COMPLEX, 15 TO 35 PERCENT SLOPES, VERY STONY	1	WEIKERT	7S	0	HEL	.20	2
69F	WEIKERT-BERKS COMPLEX, 35 TO 70 PERCENT SLOPES, VERY STONY	1	WEIKERT	7S	0	HEL	.20	2
70B	WOLFGAP LOAM, 1 TO 5 PERCENT SLOPES, RARELY FLOODED	1	WOLFGAP	1	1	PHEL	.32	5
71D	ZEPP VERY CHANNERY LOAM, 15 TO 35 PERCENT SLOPES, VERY STONY	1	ZEPP	6S	0	HEL	.17	5
71E	ZEPP VERY CHANNERY LOAM, 35 TO 55 PERCENT SLOPES, VERY STONY	1	ZEPP	7E	0	HEL	.17	5
72E	ZEPP VERY CHANNERY LOAM, 35 TO 55 PERCENT SLOPES, EXTREMELY STONY	1	ZEPP	7E	0	HEL	.15	5

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5-

HEL Terms

NHEL – Not Highly Erodible Land
PHEL – Potentially Highly Erodible Land
HEL – Highly Erodible Land

Prime Farmland Codes

- 0 - Not prime farmland.
- 1 - All areas are prime farmland.
- 2 - Prime farmland if drained.
- 3 - Prime farmland if protected from flooding or not frequently flooded during the growing season.
- 4 - Prime farmland if irrigated.
- 5 - Prime farmland if drained and either protected from flooding or not frequently flooded during the growing season.
- 6 - Prime farmland if irrigated and drained.
- 7 - Prime farmland if irrigated and either protected from flooding or not frequently flooded during the growing season.
- 8 - Prime farmland if subsoiled, completely removed the root inhibiting soil layer.